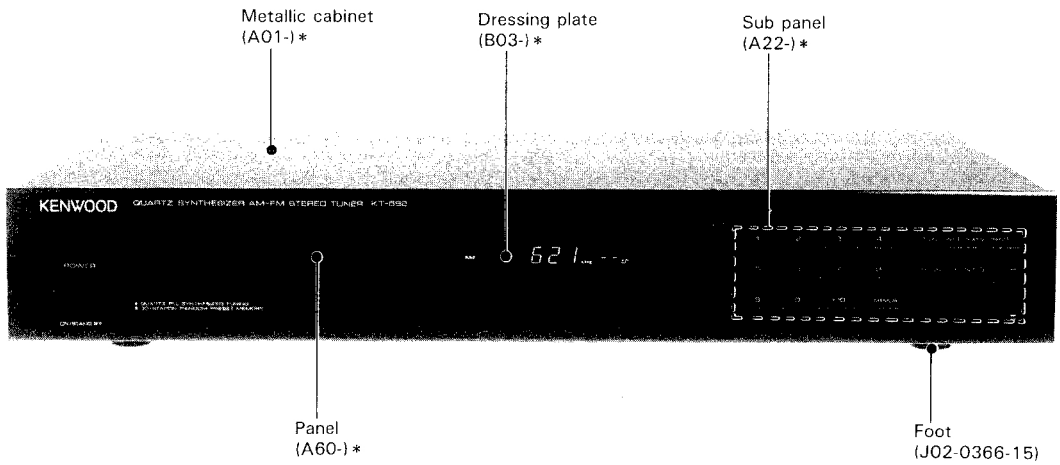
QUARTZ SYNTHESIZER AM-FM STEREO TUNER

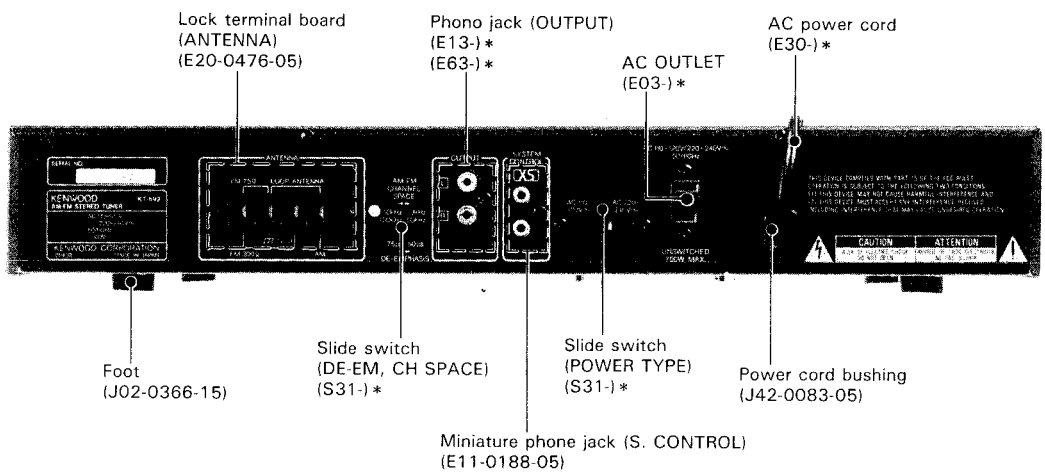
KT-592/592S

SERVICE MANUAL

KENWOOD

B51-4469-00(MC) 2365





[KT-592 : K, P, Y, X type
KT-592S : M type]

Note
Refer to KT-591/591S/1030L service manual (B51-4284-00), if need description in detail.

* Refer to Parts List on page 25.
Photo is KT-592.

KT-592/592S

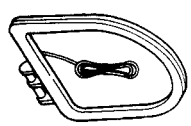
CONTENTS/ACCESSORIES

	JAPAN MADE	SINGAPORE, MALAYSIA MADE
KT-592	X05-4040-10 (K,P) X05-4042-91 (Y) X05-4040-71 (X)	X05-4050-10 (K)
KT-592S	X05-4060-20 (M)	—

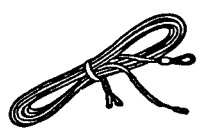
The KT-592 is made in different countries. However, their circuits are identical.

ACCESSORIES

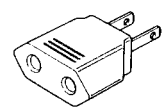
LOOP ANTENNA
(T90-0173-05): JAPAN MADE
(T90-0174-05): SINGAPORE MADE



LEAD WIRE ANTENNA
(T90-0182-15)



AC plug adaptor
(Except for some areas)
(E03-0115-05)

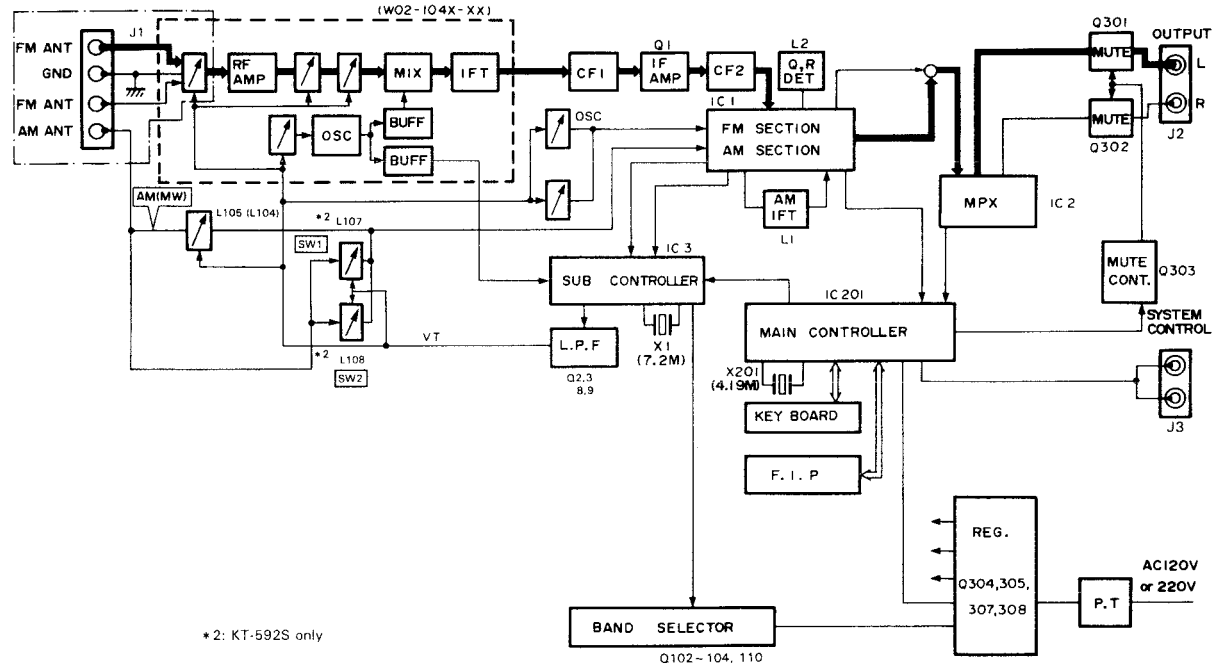


ANTENNA HOLDER
(J19-2815-04)

AUDIO CORD
(E30-0615-05)

BLOCK DIAGRAM/CIRCUIT DESCRIPTION

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. Conditions by destination

Destination Type		Destination switches 3	2	1	0	Band	Receiving frequency range	Inter-channel space (Hz)	IF	RF (Hz)	PLL (IC)	
KT-592	Y	0	0	1	0	FM	87.5~108.0 MHz	100 k	+10.7 MHz	50 k	LM7001	AM Narrow
						AM	530~1610 kHz	10 k	+450 kHz	10 k		
	K,P	0	0	0	0	FM	87.5~108.0 MHz	100 k	+10.7 MHz	50 k	LM7001	AM Wide
						AM	530~1700 kHz	10 k	+450 kHz	10 k		
	X,Y	0	1	1	0	FM	87.5~108.0 MHz	50 k	+10.7 MHz	50 k	LM7001	
						AM	531~1603 kHz	9 k	+450 kHz	9 k		
	—	0	1	1	1	FM	87.5~108.0 MHz	50 k	+10.7 MHz	50 k	LM7001	With LW
						MW	531~1603 kHz	9 k	+450 kHz	9 k		
						LW	153~281 kHz	1 k	+450 kHz	1 k		
KT-592S	M	1	0	1	0	FM	87.5~108.0 MHz	100 k	+10.7 MHz	50 k	LC7218	With SW
						MW	530~1610 kHz	10 k	+450 kHz	10 k		
						SW1	3.2~7.3 MHz	5 k	+450 kHz	5 k		
						SW2	9.5~21.85 MHz	5 k	+450 kHz	5 k		
		1	1	1	0	FM	87.5~108.0 MHz	50 k	+10.7 MHz	50 k	LC7218	With SW
						MW	531~1603 kHz	9 k	+450 kHz	9 k		
						SW1	3.2~7.3 MHz	5 k	+450 kHz	5 k		
						SW2	9.5~21.85 MHz	5 k	+450 kHz	5 k		

(Table 1)

(*) BAND Selection (1: With diode/0: Without diode)
BAND 3 (D212) ..... With SW/Without SW
BAND 2 (D213 or D222) ..... STEP 9 k, 50 k/10 k, 100 k
BAND 1 (D214) ..... AM Narrow/Wide
BAND 0 (—) ..... With LW/Without LW

KT-592/592S

CIRCUIT DESCRIPTION

2. Initial status setting (reset)

(1) Method of setting

While pressing the MEMORY key, turn AC ON.

(2) Contents

① POWER: OFF
② MUTE: ON
③ Forced MONO: OFF
④ FL display: All off
⑤ State: RAM state = All clear
Tuning mode = AUTO
Memory = Test frequency (Table 2)
Last band = FM
Last frerquency = Lowermost limit of each band.
Last P. CH = [-- ch]

3. Test frequency

	KT-592		KT-592S
P.ch	FM 50 k/AM 9 k	FM 100 k/AM 10 k	With SW
01ch	FM 98.0 MHz	FM 98.0 MHz	FM 98.0 MHz
02ch	FM 108.0 MHz	FM 108.0 MHz	FM 108.0 MHz
03ch	AM 630 kHz	AM 620 kHz	AM 620 kHz
04ch	AM 990 kHz	AM 990 kHz	AM 990 kHz
05ch	AM 1440 kHz	AM 1440 kHz	AM 1440 kHz
06ch	AM 1602 kHz	AM 1610 kHz	AM 1610 kHz
07ch	FM 87.5 MHz	AM 1700 kHz (FM 87.5 MHz)	FM 87.5 MHz
08ch	FM 87.5 MHz	FM 87.5 MHz	SW1 5.0 MHz
09ch	FM 87.5 MHz	FM 87.5 MHz	SW2 15.0 MHz
10ch	FM 89.1 MHz	FM 89.1 MHz	FM 89.1 MHz
11ch	FM 87.5 MHz	FM 87.5 MHz	SW1 3.2 MHz
12ch	FM 87.5 MHz	FM 87.5 MHz	SW1 3.5 MHz
13ch	FM 87.5 MHz	FM 87.5 MHz	SW1 5.0 MHz
14ch	FM 87.5 MHz	FM 87.5 MHz	SW1 6.8 MHz
15ch	FM 87.5 MHz	FM 87.5 MHz	SW1 7.3 MHz
16ch	FM 87.5 MHz	FM 87.5 MHz	SW2 9.5 MHz
17ch	FM 87.5 MHz	FM 87.5 MHz	SW2 10.0 MHz
18ch	FM 87.5 MHz	FM 87.5 MHz	SW2 15.0 MHz
19ch	FM 87.5 MHz	FM 87.5 MHz	SW2 18.5 MHz
20ch	FM 87.5 MHz	FM 87.5 MHz	SW2 21.85 MHz

(Table 2)

4. Test mode

(1) Method of setting

While holding the DOWN key depressed, plug the AC power cord to the power outlet.

(2) Display of test mode

When the test mode is set, all FL tubes are lit up. The FL tubes are kept lit until there is a key entry which results in a change of the FL frequency display.

(3) Operations in test mode

The operations are basically the same as in normal operation modes. Only difference lies in the processing accompanying the +10 key and 0 key (numeric keys).

Namely, the preset channel definition method using the +10 key and numeric keys is different in the test mode. The preset channels are divided into three groups as shown below.

{01 ch - 10 ch/0 - ch/-- ch} : Group 1
{11 ch - 20 ch/1 - ch } : Group 2
{21 ch - 30 ch/2 - ch } : Group 3

When the current channel is in group 1, the 1 to 9 keys represent "01 ch" to "09 ch", and the 0 key represent "10 ch". Change from group 1 to another group does not occur until the +10 key is pressed.

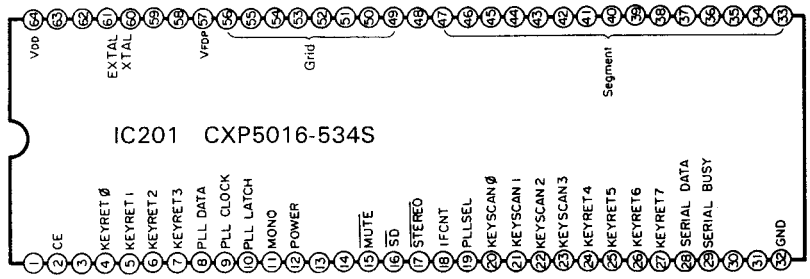
Pressing the +10 key allows to change the group. When it is pressed while the current group is group 1, the display changes to "1- ch" and the current group is changed to group 2. Pressing the key while the current group is group 2 changes it to group 3 ("2- ch" display), and pressing the key while the current group is group 3 changes it to group 1 ("0- ch" display).

(4) Method of canceling

Unplug the AC power cord.

CIRCUIT DESCRIPTION

5. IC 201: CXP5016-534S
MICROPROCESSOR



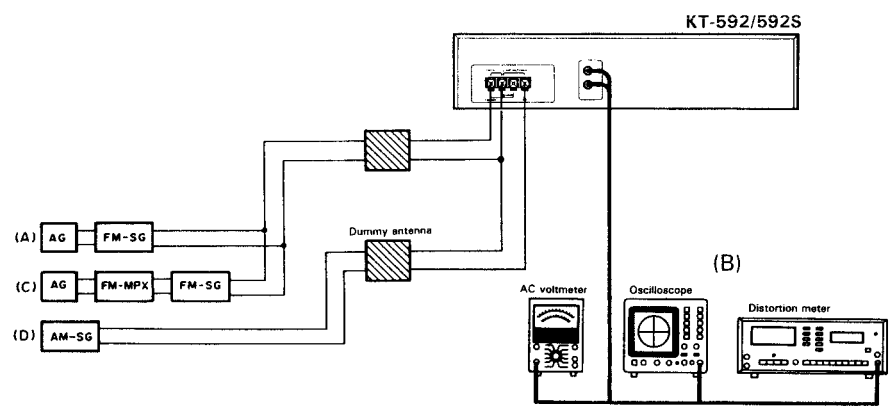
Pin functions

Pin No.	Pin name	I/O	Name	Operation description
1	PWM/PY1	O		No used
2	WP/PY2	I	$\overline{CE}$	Chip enable pin. Active low
3	RMC/EC/PY3	O		No use
4~7		I	KR0~KR3	Key return input. KR0~KR3
8	PD0	O	PLLDT	PLL DATA output
9	PD1	O	PLLCK	PLL CLOCK output
10	PD2	O	PLLCE	PLL CE output
11	PD3	O	PMONO	Forced MONO output H: ON L: OFF
12	PC0	O	PPOWER	Power ON/OFF control H: ON L: OFF
13,14		O		No used
15	PC3	O	$\overline{PMUTE}$	Line mute Active low
16	PEC	I	$\overline{PSD}$	SD pin Active low
17	PF1	I	$\overline{PSTEREO}$	Stereo signal input H: MONO L: STEREO
18	PF2	I	PIFCNT	IF COUNT pin. On when IF count is finised
19	PF3	I	PLLSEL	PLL select pin H: LC7218 L: LM7001
20~23	PE0~PE3	O	KS0~KS3	Key scan output KS0~KS3
24~27	PB0~PB3	I	KR4~KR7	Key return input KR4~KR7
28	PA0	I/O	SDATA	System control DATA
29	PA1	I/O	SBUSY	System control BUSY
30	PA2	I		No used
31	PA3	I		No used
32	VSS	—	GND	GND pin
33~48		O	Sa~Sn	FDP segment Sa~Sn
49~56		O	G1~G8	FDP grid G1~G8
57	VFDP	—	VFDP	−30 V
58,59		I		No used
60	XTAL	O		Quartz oscillator output.
61	EXTAL	I		Quartz oscillator input.
62	RST	I	$\overline{RESET}$	Forced reset pin. Active low
63	PY0	O		No used.
64	VDD	—	VDD	Power supply.

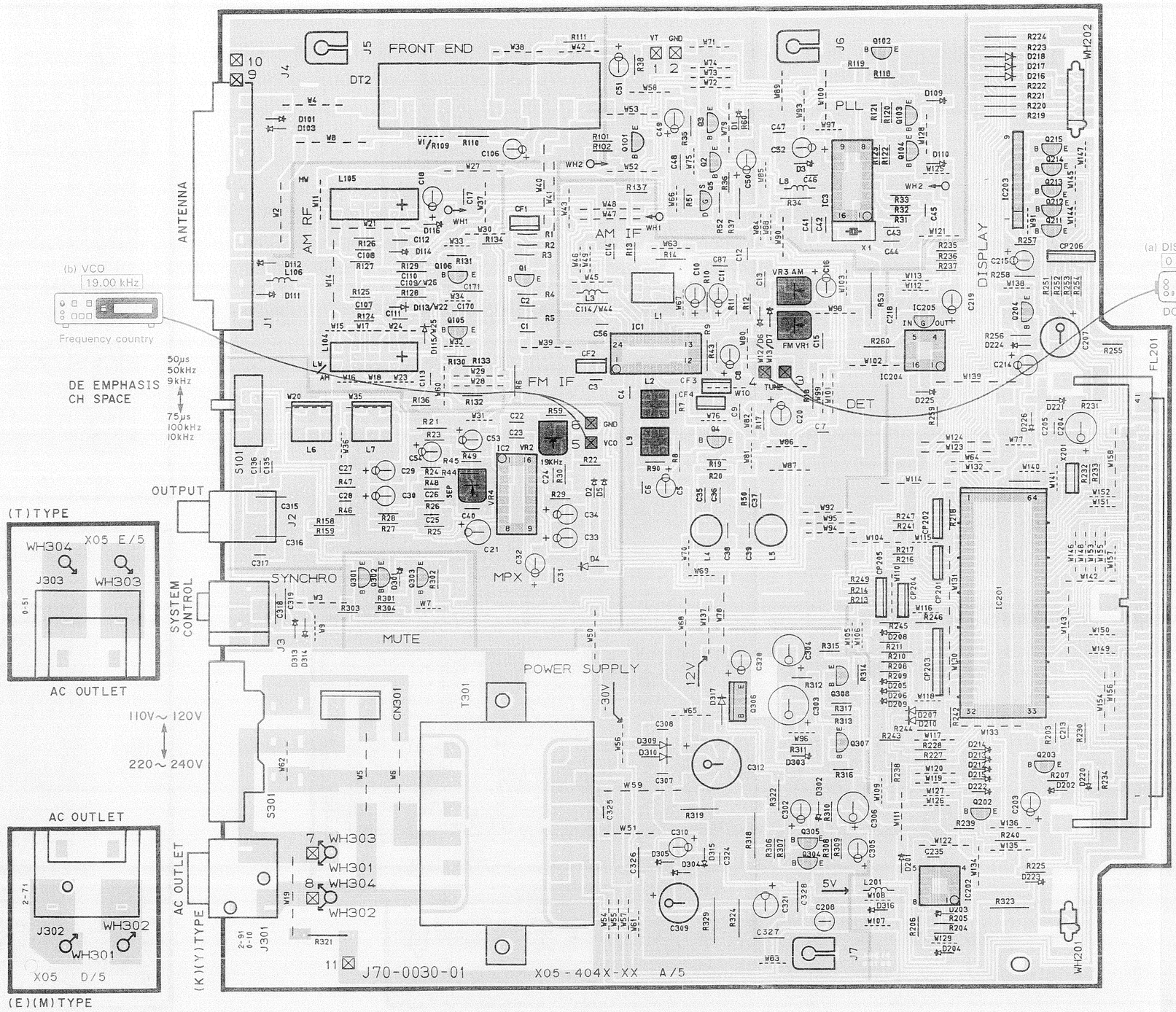
KT-592/592S

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION			SELECTOR: FM				
1	DISCRIMINATOR	(A) 98.0MHz 1kHz,±75kHz dev 60dBμ (ANT input)	Connect a DC voltmeter between TP3 and TP4. (X05-)	AUTO or MONO 98.0MHz	L2 (X05-)	0V	(a)
2	VCO <KT-592 only>	(A) 98.0MHz 0 dev 60dBμ (ANT input)	Connect a frequency counter to TP5 and TP6 (GND). (X05-)	AUTO 98.0MHz	VR2 (X05-)	19.00kHz	(b)
3	DISTORTION	(C) 98.0MHz 1kHz,±68.25kHz dev Pilot:±7.5kHz dev 60dBμ (ANT input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion	
4	SEPARATION <KT-592S only>	(C) 98.0MHz 1kHz,±68.25kHz dev Pilot:±7.5kHz dev Selector:L or R 60dBμ (ANT input)	(B)	AUTO 98.0MHz	VR5 (X05-)	Minimum crosstalk	
5	TUNING LEVEL	(A) 98.0MHz 1kHz,±75kHz dev 18dBμ(ANT input)300Ω	(B)	AUTO or MONO 98.0MHz	VR1 (X05-)	Adjust VR1 and stop at the point where FL201(TUNED) goes on.	
AM(MW) SELECTION			SELECTOR:AM(MW)				
(1)	TUNING LEVEL	(D) 1008kHz 400Hz,30% mod 26dBμ(ANT input)	(B)	1008kHz	VR3 (X05-)	Adjust VR3 and stop at the point where FL201(TUNED) goes on.	

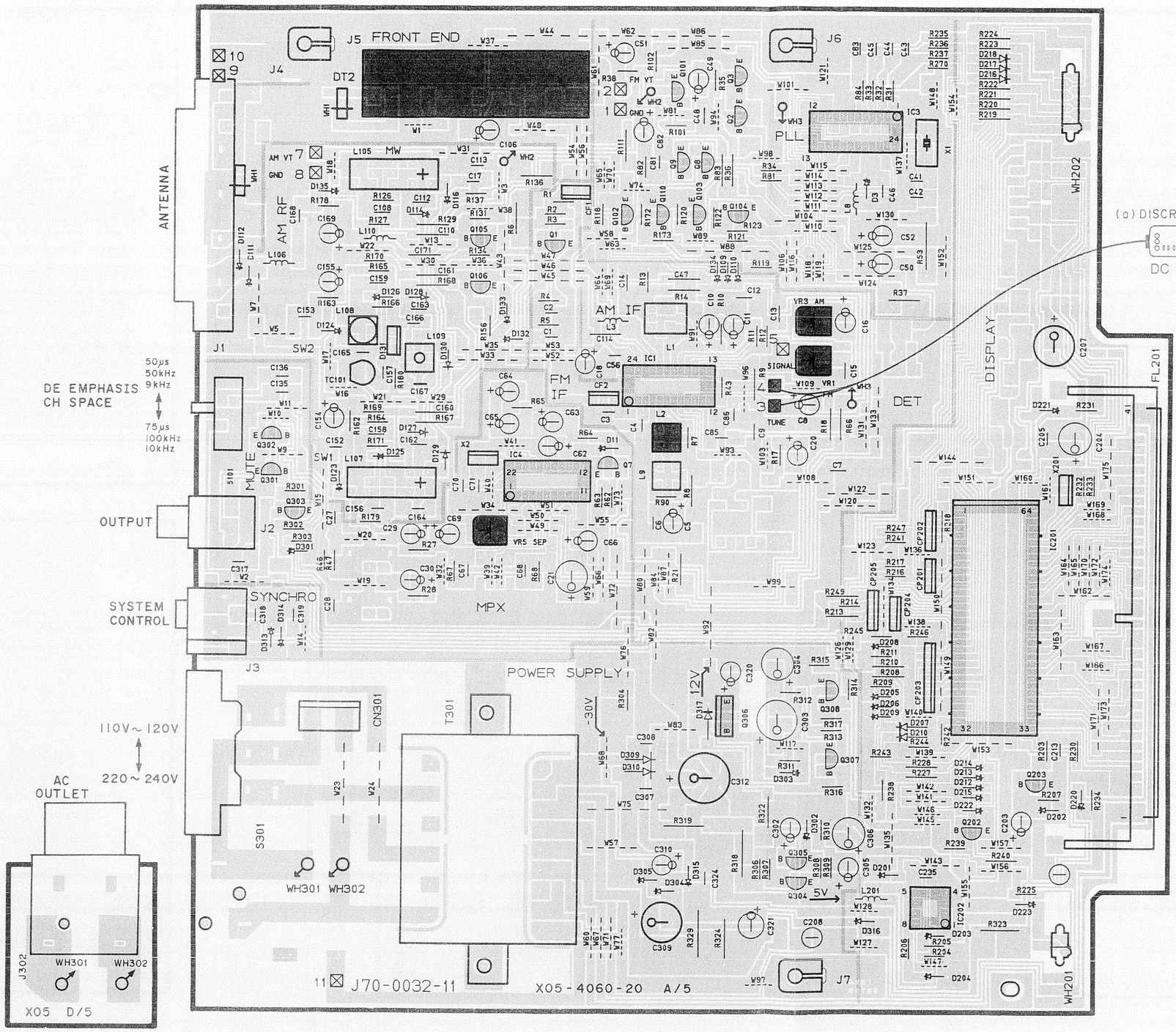


PC BOARD (KT-592: Component side view)



Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (KT-592S: Component side view)



Refer to the schematic diagram for the values of resistors and capacitors.

TUNER UNIT
(X05-404X-XX) (A/5) JAPAN MADE
(X05-405X-XX) (A/5) SINGAPORE MADE

FM FRONT END (W02-1042-15) DT2

FET1 : 2SK241
TR1 : 2SC2668
TR2 : 2SC2995
TR3 : 2SC2669

D1~3 : 1SV103

IC1	: LA1266	D2,4,5,111,112,313~317	: 1SS133 or HSS104
IC2	: AN7470	D3	: RD5.1ES(B2) or HZS5.1N(B2)
IC3	: LM7001	D301	: RD3.3ES(B2) or HZS3.3N(B2)
Q1	: 2SC1923 (R,O)	D302	: RD2.7ES(B2) or HZS2.7N(B2)
Q2	: 2SC1845 (F,E)	D303	: RD13ES(B2) or HZS13N(B2)
Q3,305,308	: 2SC1740S(Q,R) or 2SC3311A(Q,R)	D304,305	: 1SS131 or HSS104A
Q102,104,303,307	: 2SA933S(Q,R) or 2SA1309A(Q,R)	D309,310	: S56888 or 1SR139-100
Q301,302	: 2SD1302(S,T)		
Q304	: 2SC2003(L,K)		
Q306	: 2SD1266(Q,P)		

SIGNAL LINE
GND LINE
+B LINE
−B LINE

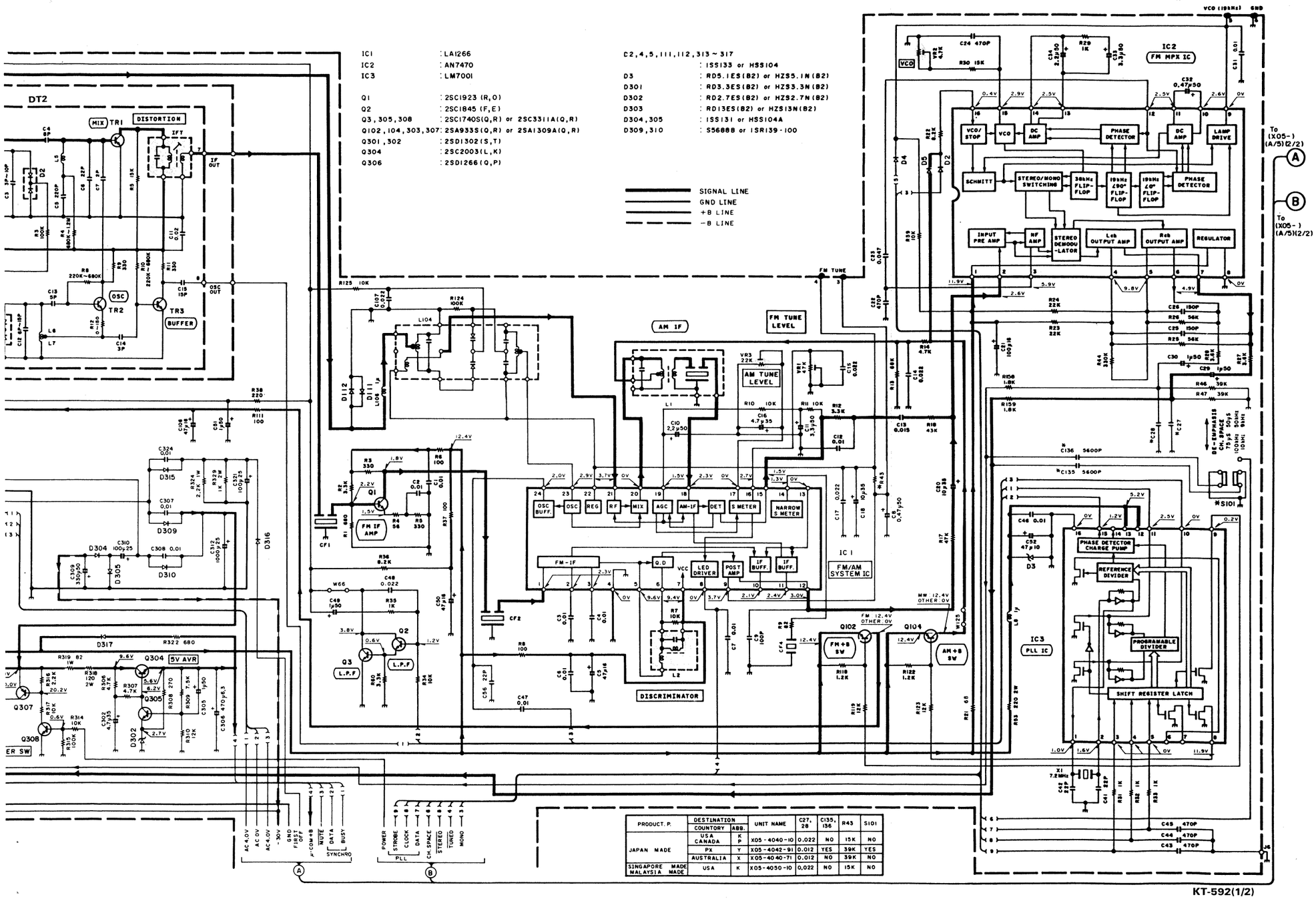
(Y) TYPE

(X) TYPE

(K,P) TYPE

MUTE
MUTE CONT
12V AVR
5V AVR
POWER SW
AM IF
FM TUNE LEVEL
AM TUNE LEVEL
DISCRIMINATOR
IC1 FM/AM SYSTEM IC
PLL

PRODUCT. P.	DESTINATION	ABB.	UNIT NAME	C27, 28	C135, 136	R43	S101
JAPAN MADE	USA CANADA	K P	X05-4040-10	0.022	NO	15K	NO
	Px	Y	X05-4042-91	0.012	YES	39K	YES
	AUSTRALIA	X	X05-4040-71	0.012	NO	39K	NO
SINGAPORE MADE MALAYSIA MADE	USA	K	X05-4050-10	0.022	NO	15K	NO



PRODUCT. P.	DESTINATION	ABB.	UNIT NAME	C27, 28	C135, 136	R43	S101
JAPAN MADE	USA	K	X05-4040-10	0.022	NO	15K	NO
	CANADA	P					
	PX	Y	X05-4042-91	0.012	YES	39K	YES
	AUSTRALIA	X	X05-4040-71	0.012	NO	39K	NO
SINGAPORE MADE MALAYSIA MADE	USA	K	X05-4050-10	0.022	NO	15K	NO

KT-592(1/2)

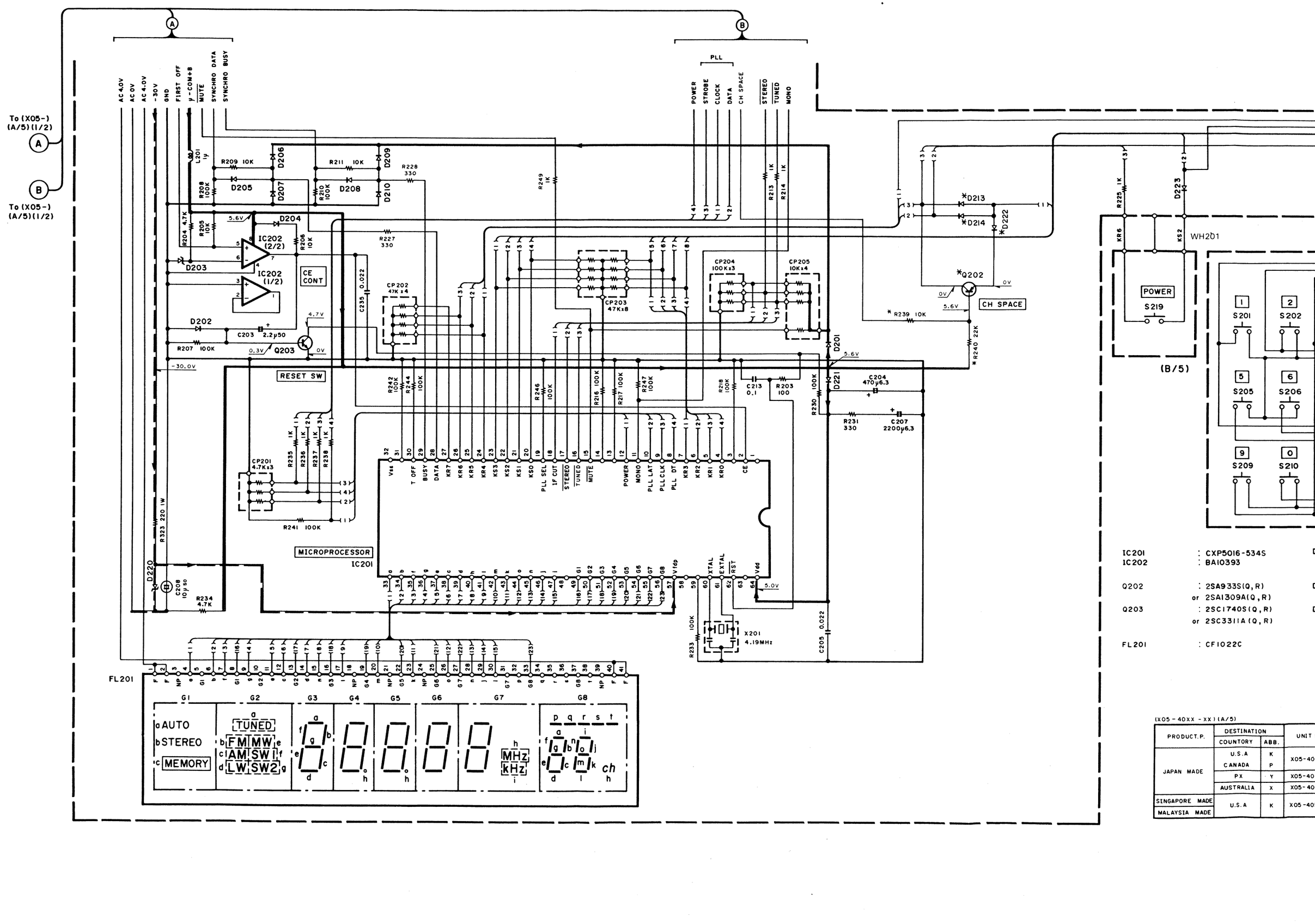
DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y07-3500-10

KT-592

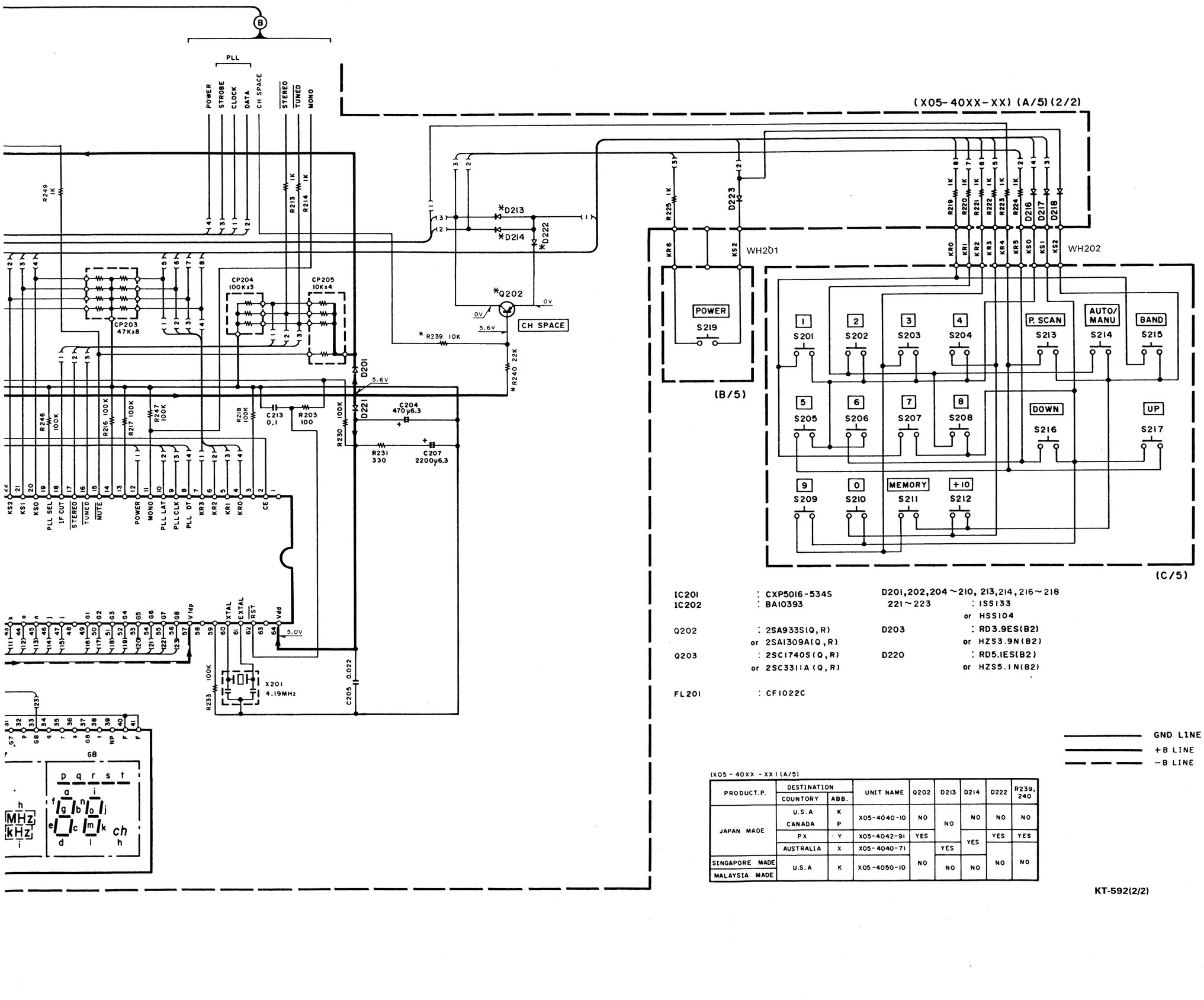
KENWOOD



IC201	:	CXP5016-534S
IC202	:	BA10393
Q202	:	2SA933S(Q,R) or 2SA1309A(Q,R)
Q203	:	2SC1740S(Q,R) or 2SC3311A(Q,R)
FL201	:	CF1022C

(X05-40XX-XX)(A/5)

PRODUCT.P.	DESTINATION		UNIT N
	COUNTORY	ABB.	
JAPAN MADE	U.S.A	K	X05-404
	CANADA	P	
	PX	Y	X05-404
	AUSTRALIA	X	X05-404
SINGAPORE MADE	U.S.A	K	X05-405
MALAYSIA MADE			



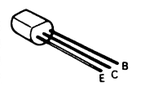
IC201	: CXP5016-534S	D201,202,204~210, 213,214,216~218	
IC202	: BA10393	221~223	: 1SS133 or HSS104
Q202	: 2SA933S(Q,R) or 2SA1309A(Q,R)	D203	: RD3.9ES(B2) or HZS3.9N(B2)
Q203	: 2SC1740S(Q,R) or 2SC3311A(Q,R)	D220	: RD5.1ES(B2) or HZS5.1N(B2)
FL201	: CF1022C		

GND LINE
+B LINE
−B LINE

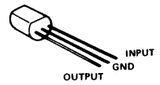
(X05-40XX-XX)(A/5)

PRODUCT.P.	DESTINATION		UNIT NAME	Q202	D213	D214	D222	R239, 240
	COUNTORY	ABB.						
JAPAN MADE	U.S.A	K	X05-4040-10	NO	NO	NO	NO	NO
	CANADA	P						
	PX	Y	X05-4042-91	YES		YES	YES	YES
	AUSTRALIA	X	X05-4040-71		YES			
SINGAPORE MADE	U.S.A	K	X05-4050-10	NO	NO	NO	NO	NO
MALAYSIA MADE								

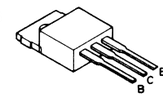
JA101
JC501
2SC1845
2SC1923
2SC2003
2SD1302



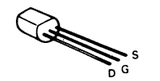
NJM78L05A



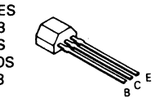
2SD1266



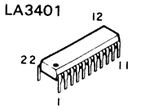
2SK163
2SK364



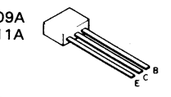
DTA124ES
2SA1048
2SA933S
2SC1740S
2SC2458



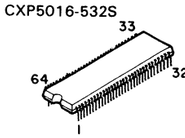
LA3401



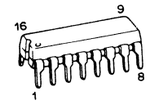
2SA1309A
2SC3311A



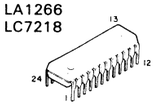
CXP5016-532S



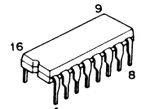
LM7001



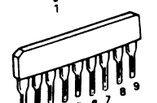
LA1266
LC7218



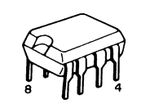
AN7470



LB1433N



BA10393
M5223P



DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KT-592(2/2)

Y07-3500-10

KT-592
KENWOOD

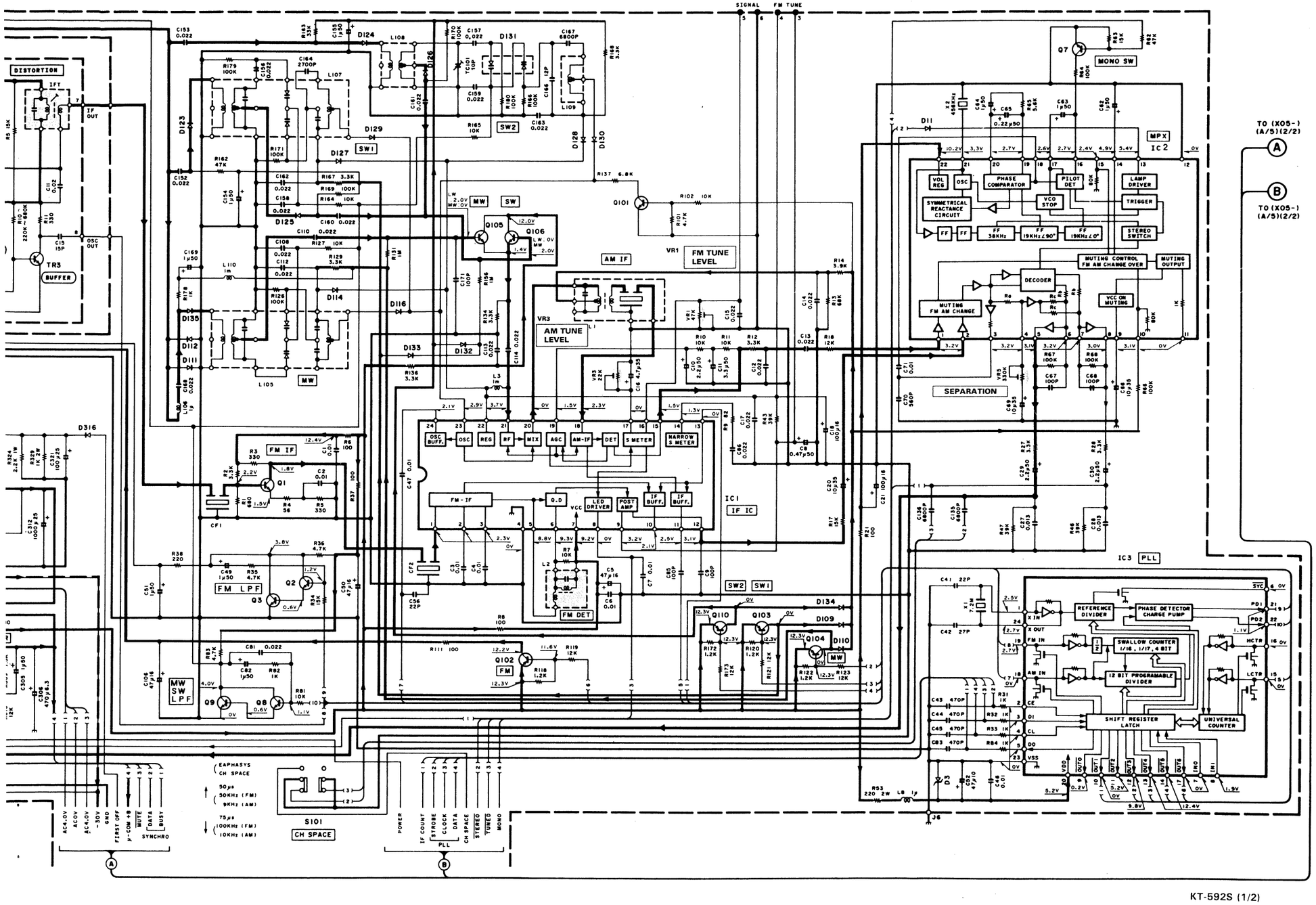
TUNER UNIT (X05-4060-20) (A/5) (1/2)

IC1 : LA1266
IC2 : LA3401
IC3 : LC7218

Q1 : 2SC1923(R,O)
Q2,8 : 2SC1845(F,E)
Q3,7,9,101,105,106
305,308 : 2SC1740S(Q,R)
or 2SC3311A(Q,R)
Q102~104,110,303,307
: 2SA933S(Q,R)
or 2SA1309A(Q,R)
Q301,302 : 2SD1302(S,T)
Q304 : 2SC2003(L,K)
Q306 : 2SD1266(Q,P)

D3 : RD5.1ES(B2)
or HZS5.1N(B2)
D11,109~112,114,116,123~130
132~135,313~317
: 1SS133
or HSS104
D131 : KV1260
D301 : RD3.3ES(B2)
or HZS3.3N(B2)
D302 : RD2.7ES(B2)
or HZS2.7N(B2)
D303 : RD13ES(B2)
or HZS13N(B2)
D304,305 : 1SS131
or HSS104A
D309,310 : S56888
or 1SR139-100

SIGNAL LINE
GND LINE
+B LINE
−B LINE



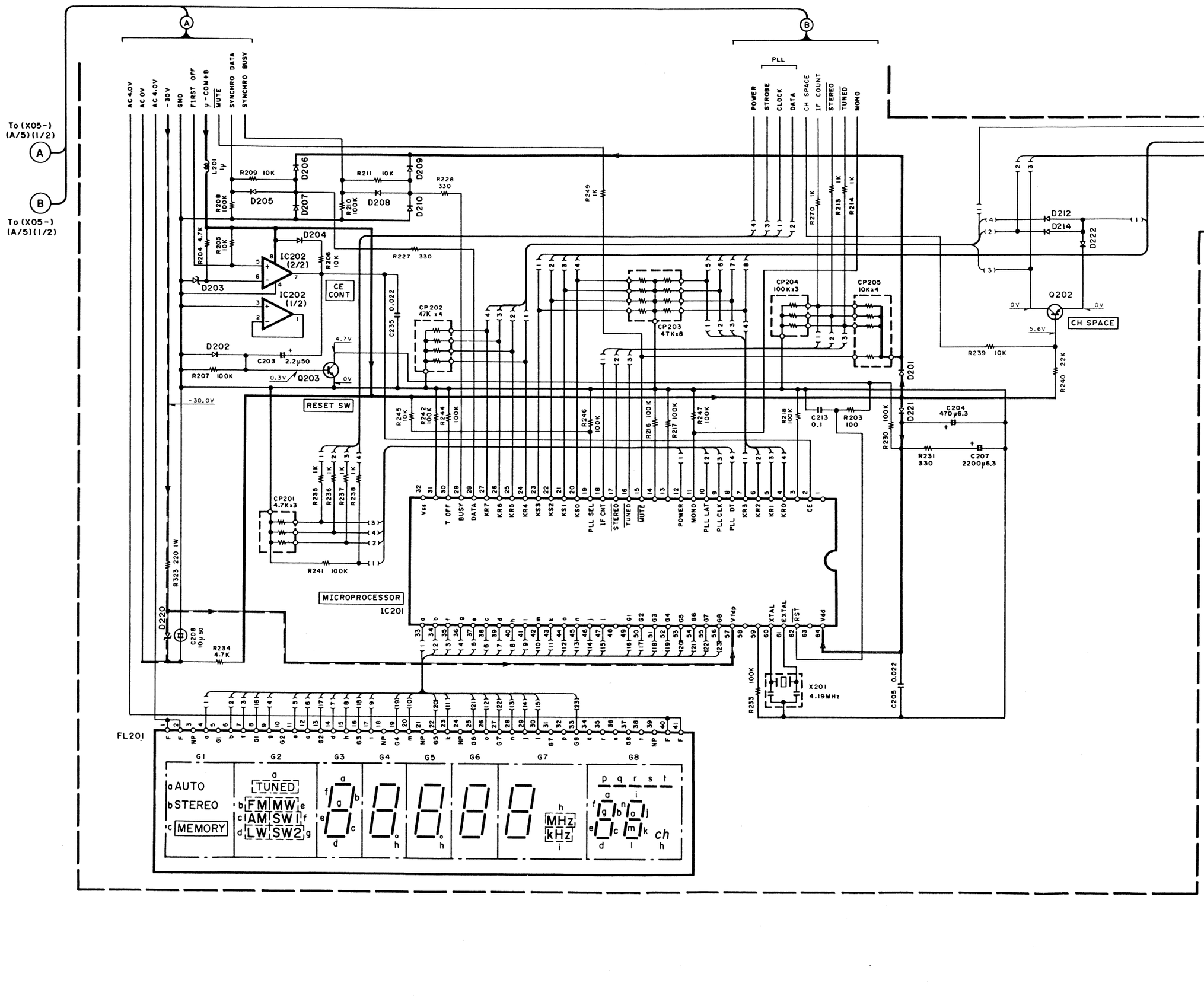
DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KT-592S (1/2)

Y07-3500-10

KT-592S
KENWOOD

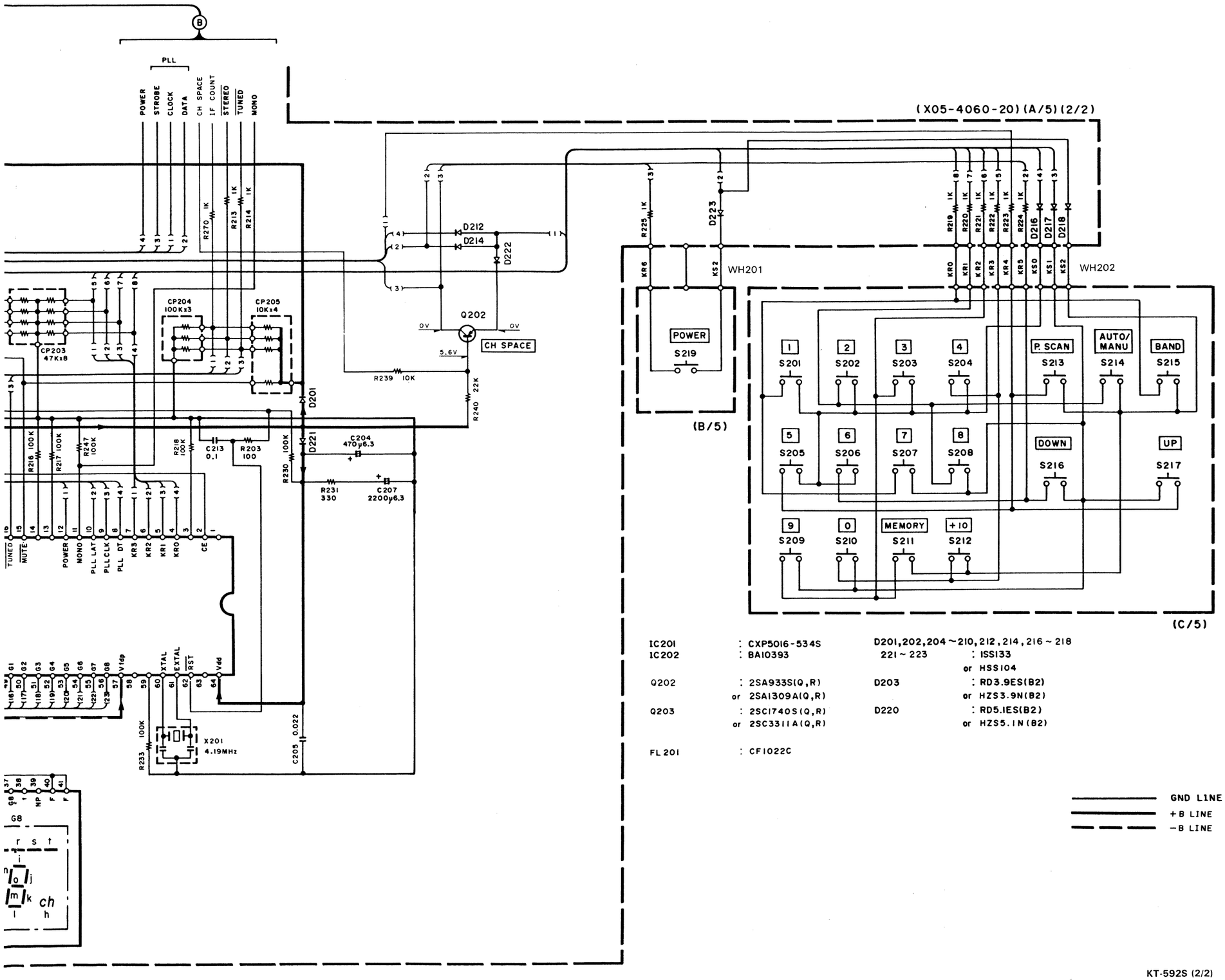


IC201 : CXP5016-534S
IC202 : BA10393

Q202 : 2SA933S(Q,R) or 2SA1309A(Q,R)

Q203 : 2SC1740S(Q,R) or 2SC3311A(Q,R)

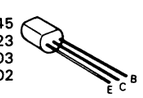
FL201 : CF1022C



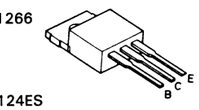
IC201	: CXP5016-534S	D201,202,204~210,212,214,216~218	
IC202	: BA10393	221~223	: ISS133 or HSS104
Q202	: 2SA933S(Q,R) or 2SA1309A(Q,R)	D203	: RD3.9ES(B2) or HZS3.9N(B2)
Q203	: 2SC1740S(Q,R) or 2SC3311A(Q,R)	D220	: RD5.1ES(B2) or HZS5.1N(B2)
FL201	: CF1022C		

GND LINE
+B LINE
−B LINE

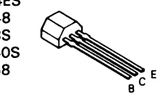
JA101
JC501
2SC1845
2SC1923
2SC2003
2SD1302



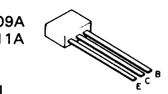
2SD1266



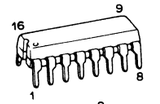
DTA124ES
2SA1048
2SA933S
2SC1740S
2SC2458



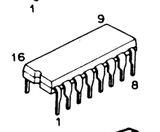
2SA1309A
2SC3311A



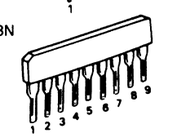
LM7001



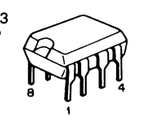
AN7470



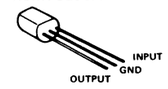
LB1433N



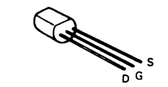
BA10393
M5223P



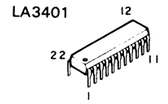
NJM78L05A



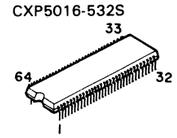
2SK163
2SK364



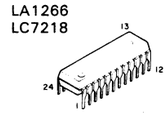
LA3401



CXP5016-532S



LA1266
LC7218



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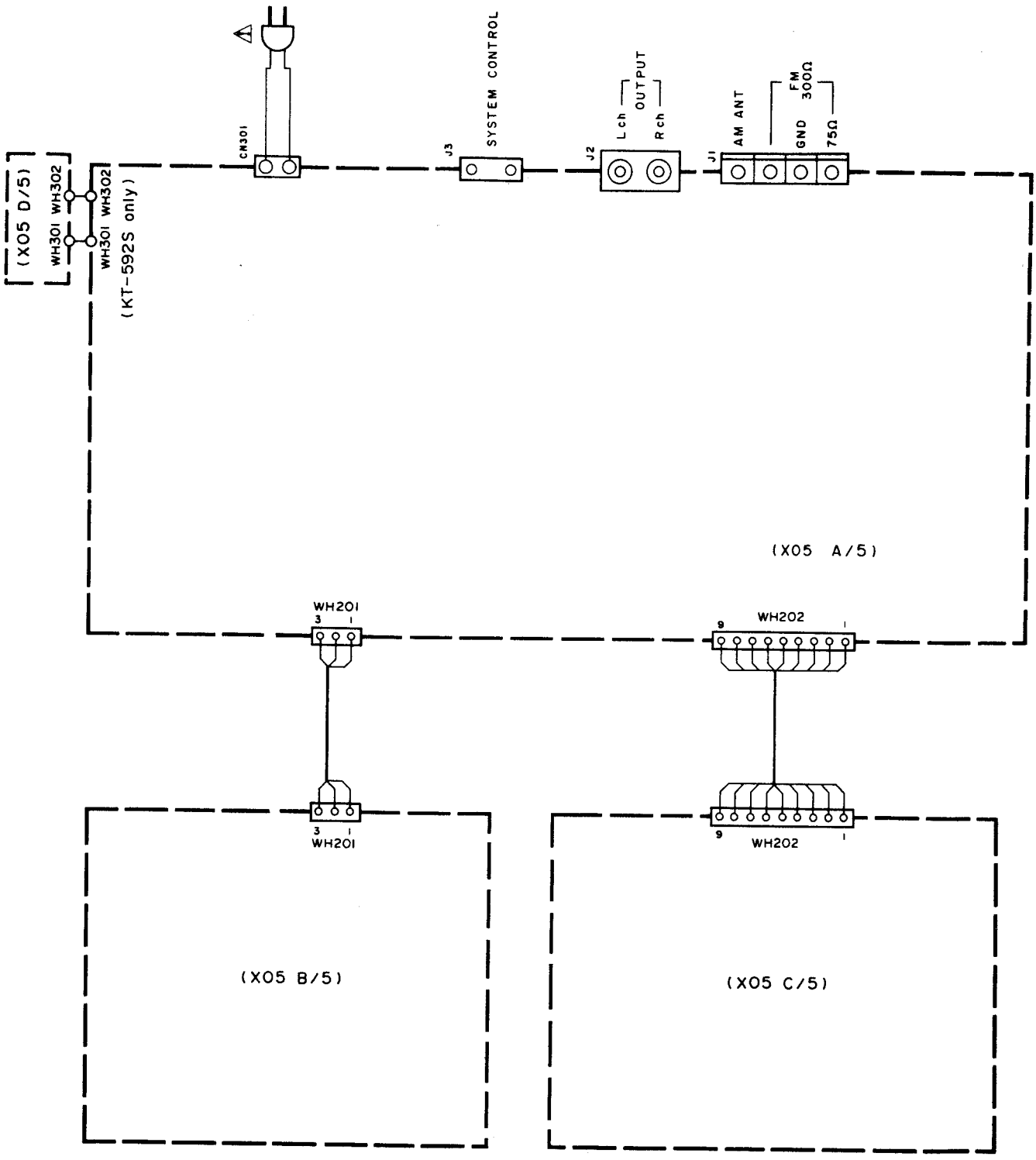
Y07-3500-10

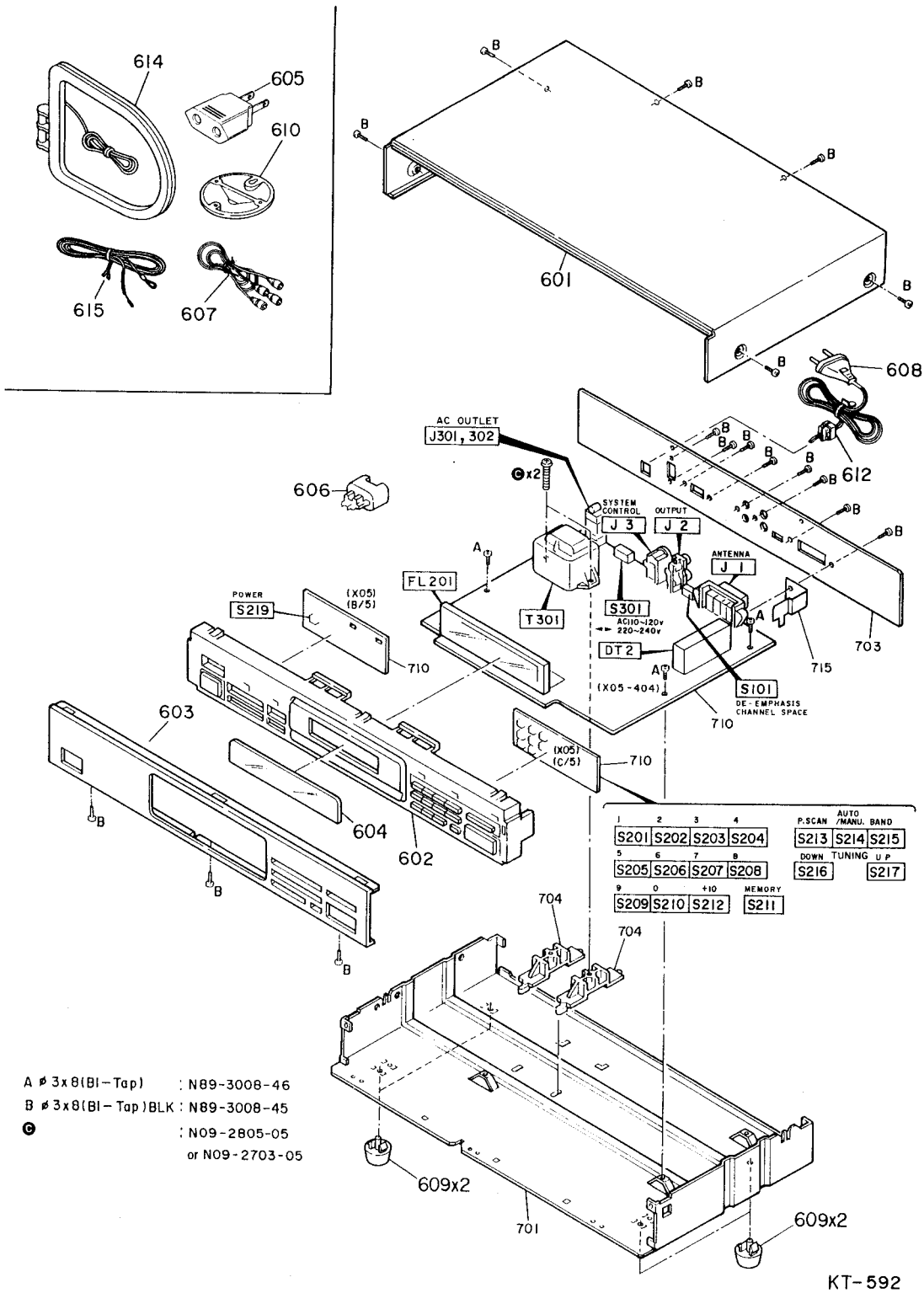
KT-592S
KENWOOD

WIRING DIAGRAM



KT-592/592S

EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied

❶ × New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
KT-592 (JAPAN MADE)						
601	1B		A01-1939-01	METALLIC CABINET		
602	2A		A22-1468-01	SUB PANEL		
603	2A	*	A60-0210-02	PANEL		
604	2A		B03-2689-03	DRESSING PLATE		
-			B46-0092-13	WARRANTY CARD	K	
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-		*	B46-0096-33	WARRANTY CARD	X	
-			B46-0121-13	WARRANTY CARD	P	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-		*	B60-0806-00	INSTRUCTION MANUAL(ENGLISH)		
-		*	B60-0807-00	INSTRUCTION MANUAL(FRENCH)	P	
⚠ 606	2A		E03-0114-05	AC OUTLET	X	
607	1A		E30-0615-05	AUDIO CORD		
⚠ 608	1B		E30-2594-15	AC POWER CORD	X	
⚠ 608	1B		E30-2605-05	AC POWER CORD	Y	
⚠ 608	1B		E30-2643-05	AC POWER CORD	KP	
-			H10-3780-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0223-04	PROTECTION BAG (750X350X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H50-0291-04	ITEM CARTON CASE		
609	3A,3B		J02-0366-15	FOOT		
610	1A		J19-2815-04	ANTENNA HOLDER		
⚠ 612	2B		J42-0083-05	POWER CORD BUSHING		
A	2B		N89-3008-46	BINDING HEAD TAPTITE SCREW		
B	2B		N89-3008-45	BINDING HEAD TAPTITE SCREW		
C	2B		N09-2703-05	TAPTITE SCREW		
614	1A		T90-0173-05	LOOP ANTENNA		
614	1A		T90-0174-05	LOOP ANTENNA		S
615	1A		T90-0182-15	LEAD WIRE ANTENNA		
KT-592 (SINGAPORE, MALAYSIA MADE)						
601	1B		A01-1940-01	METALLIC CABINET		S
602	2A		A22-1489-01	SUB PANEL		S
603	2A	*	A60-0210-02	PANEL		
604	2A		B03-2721-03	DRESSING PLATE		S
-			B46-0092-13	WARRANTY CARD		
-		*	B60-0806-00	INSTRUCTION MANUAL(ENGLISH)		
607	1A		E30-0615-05	AUDIO CORD		
⚠ 608	1B		E30-2643-05	AC POWER CORD		
-			H10-3819-02	POLYSTYRENE FOAMED FIXTURE		S
-			H10-5131-02	POLYSTYRENE FOAMED FIXTURE		S
-			H25-0223-04	PROTECTION BAG (750X350X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H50-0294-04	ITEM CARTON CASE(SINGAPORE)		S
-		*	H50-0295-04	ITEM CARTON CASE(MALAYSIA)		S
609	3A,3B		J02-0366-15	FOOT		
610	1A		J19-2815-04	ANTENNA HOLDER		
⚠ 612	2B		J42-0083-05	POWER CORD BUSHING		
A	2B		N89-3008-46	BINDING HEAD TAPTITE SCREW		

L:Scandinavia K:USA P:Canada
Y:PX(Far East, Hawaii) T:England E:Europe
Y:AAFES(Europe) X:Australia M:Other Areas

S: SINGAPORE MADE

⚠ indicates safety critical components.

❷ × New Parts
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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
B	2B		N89-3008-45	BINDING HEAD TAPTITE SCREW		
C	2B		N09-2805-05	TAPTITE SCREW		
614	1A		T90-0174-05	LOOP ANTENNA		S
615	1A		T90-0182-15	LEAD WIRE ANTENNA		
KT-592S						
601	1B		A01-1939-01	METALLIC CABINET		
602	2A		A22-1468-01	SUB PANEL		
603	2A	*	A60-0211-02	PANEL		
604	2A		B03-2689-03	DRESSING PLATE		
-		*	B60-0806-00	INSTRUCTION MANUAL(ENGLISH)		
-		*	B60-0808-00	INSTRUCTION MANUAL(S,A,C)		
⚠ 605	1A		E03-0115-05	AC PLUG ADAPTER		
607	1A		E30-0615-05	AUDIO CORD		
⚠ 608	1B		E30-2592-15	AC POWER CORD		
-			H10-3780-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0223-04	PROTECTION BAG (750X350X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H50-0292-04	ITEM CARTON CASE		
609	3A,3B		J02-0366-15	FOOT		
610	1A		J19-2815-04	ANTENNA HOLDER		
⚠ 612	2B		J42-0083-05	POWER CORD BUSHING		
A	2B		N89-3008-46	BINDING HEAD TAPTITE SCREW		
B	2B		N89-3008-45	BINDING HEAD TAPTITE SCREW		
C	2B		N09-2703-05	TAPTITE SCREW		
614	1A		T90-0173-05	LOOP ANTENNA		
614	1A		T90-0174-05	LOOP ANTENNA		S
615	1A		T90-0182-15	LEAD WIRE ANTENNA		

KT-592 TUNER UNIT (X05-4040-10: JAPAN MADE / X05-4050-10: SINGAPORE AND MALAYSIA MADE)

C1 -4		CK45FF1H103Z	CERAMIC	0.010UF Z		
C5		CE04KW1C470M	ELECTRO	47UF 16WV		
C6 ,7		CK45FF1H103Z	CERAMIC	0.010UF Z		
C8		CE04KW1HR47M	ELECTRO	0.47UF 50WV		
C9		CC45FSL1H101J	CERAMIC	100PF J		
C10		CE04KW1H2R2M	ELECTRO	2.2UF 50WV		
C11		CE04KW1H3R3M	ELECTRO	3.3UF 50WV		
C12		CK45FF1H103Z	CERAMIC	0.010UF Z		
C13		CQ92FM1H153J	MYLAR	0.015UF J		
C14 ,15		CK45FF1H223Z	CERAMIC	0.022UF Z		
C16		CE04KW1V4R7M	ELECTRO	4.7UF 35WV		
C17		CK45FF1H223Z	CERAMIC	0.022UF Z		
C18		CE04KW1V100M	ELECTRO	10UF 35WV		
C20		CE04KW1V100M	ELECTRO	10UF 35WV		
C21		CE04KW1C101M	ELECTRO	100UF 16WV		
C22		CK45FB1H471K	CERAMIC	470PF K		
C23		CF92FV1H473J	MF	0.047UF J		
C24		CC93FCH1H471J	CERAMIC	470PF J		
C25 ,26		CC45FSL1H151J	CERAMIC	150PF J		
C27 ,28		CQ92FM1H123J	MYLAR	0.012UF J	YX	
C27 ,28		CQ92FM1H223J	MYLAR	0.022UF J	KP	
C29 ,30		CE04KW1H010M	ELECTRO	1.0UF 50WV		
C31		CK45FF1H103Z	CERAMIC	0.010UF Z		
C32		CE04KW1HR47M	ELECTRO	0.47UF 50WV		

L:Scandinavia K:USA P:Canada
Y:PX(Far East, Hawaii) T:England E:Europe
Y:AAFES(Europe) X:Australia M:Other Areas

S: SINGAPORE MADE

⚠ indicates safety critical components.

❸ * New Parts
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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
C33			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C34			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C41 ,42			CC45FCH1H220J	CERAMIC 22PF J		
C43 -45			CK45FB1H471K	CERAMIC 470PF K		
C46 ,47			CK45FF1H103Z	CERAMIC 0.010UF Z		
C48			CQ92FM1H223J	MYLAR 0.022UF J		
C49			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C50			CE04KW1C470M	ELECTRO 47UF 16WV		
C51			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C52			CE04KW1A470M	ELECTRO 47UF 10WV		
C56			CC45FSL1H220J	CERAMIC 22PF J		
C106			CE04KW1C470M	ELECTRO 47UF 16WV		
C107			CK45FF1H223Z	CERAMIC 0.022UF Z		
C135,136			CQ92FM1H562J	MYLAR 5600PF J	Y	
C203			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C204			CE04KW0J471M	ELECTRO 470UF 6.3WV		
C205			CK45FF1H223Z	CERAMIC 0.022UF Z		
C207			CE04KW0J222M	ELECTRO 2200UF 6.3WV		
C208			C90-1332-05	NP-ELEC 10UF 50WV		
C213			CF92FV1H104J	MF 0.10UF J		
C235			CK45FF1H223Z	CERAMIC 0.022UF Z		
C302			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C303			CE04DW1C471M	ELECTRO 470UF 16WV		
C304			CE04KW1E221M	ELECTRO 220UF 25WV		
C305			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C306			CE04KW0J471M	ELECTRO 470UF 6.3WV		
C307,308			CK45FF1H103Z	CERAMIC 0.010UF Z		
C309			CE04KW1H331M	ELECTRO 330UF 50WV		
C310			CE04KW1E101M	ELECTRO 100UF 25WV		
C312			CE04KW1E102M	ELECTRO 1000UF 25WV		
C317			CK45FF1H103Z	CERAMIC 0.010UF Z		
C318,319			C91-0749-05	CERAMIC 220PF K		
C320			CE04KW1V100M	ELECTRO 10UF 35WV		
C321			CE04KW1E101M	ELECTRO 100UF 25WV		
C324			CK45FF1H103Z	CERAMIC 0.010UF Z		
J1	2B		E20-0476-05	LOCK TERMINAL BOARD(ANTENNA)		
J2	2B		E13-0235-05	PHONO JACK(2P)(OUTPUT)		J
J2	2B		E63-0013-05	PHONO JACK(2P)(OUTPUT)		S
J3	2B		E11-0188-05	MINIATURE PHONE JACK(S.CONTROL		
⚠ J301	2A		E03-0119-05	AC OUTLET	KPY	
CF1 ,2			L72-0531-05	CERAMIC FILTER		
CF4			L72-0096-05	CERAMIC FILTER		
L1			L30-0488-05	AM IFT		
L2			L30-0439-25	FM IFT(DISCRIMINATOR)	KP	
L2		*	L30-0494-05	FM IFT(DISCRIMINATOR)	YX	
L8			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L104			L39-0189-05	COMBINATION COIL		
L106			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L201			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
⚠ T301	2B		L07-0247-05	POWER TRANSFORMER	KP	
⚠ T301	2B		L07-0248-05	POWER TRANSFORMER	Y	
⚠ T301	2B		L07-0249-05	POWER TRANSFORMER	X	
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)		
X201			L78-0209-05	RESONATOR (4.194MHz)		
X201			L78-0218-05	RESONATOR (4.194MHz)		

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J: JAPAN MADE
S: SINGAPORE MADE

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
CP201			R90-0832-05	MULTI-COMP 4.7KX3 J 1/6W		
CP202			R90-0487-05	MULTI-COMP 47KX4 J 1/6W		
CP203			R90-0804-05	MULTI-COMP 47KX8 J 1/4W		
CP204			R90-0850-05	MULTI-COMP 100KX3 J 1/6W		
CP205			R90-0809-05	MULTI-COMP 10KX4 J 1/6W		
R53			RS14DB3D221J	FL-PROOF RS 220 J 2W		
R318			RS14DB3D121J	FL-PROOF RS 120 J 2W		
R319			RS14DB3A820J	FL-PROOF RS 82 J 1W		
R321			R92-0173-05	RC 2.2M M 1/2W	KP	
R323			RS14DB3A221J	FL-PROOF RS 220 J 1W		
R324			RS14DB3A222J	FL-PROOF RS 2.2K J 1W		
R329			RS14DB3D102J	FL-PROOF RS 1.0K J 2W		
VR1			R12-3688-05	TRIMMING POT.(47K)(FM T-LEVEL)		
VR2			R12-1619-05	TRIMMING POT.(4.7K)(VCO)		
VR3			R12-3686-05	TRIMMING POT.(22K)(AM T-LEVEL)		
S101	2B		S31-2094-05	SLIDE SWITCH(DE-EM. CH.SPACE)	Y	
S201-217	2B		S40-1064-05	PUSH SWITCH(1-0,+10,BAND etc.)		
S219	2A		S40-1064-05	PUSH SWITCH(POWER)		
⚠ S301	2B		S31-2131-05	SLIDE SWITCH (POWER TYPE)	Y	
D2			HSS104	DIODE		
D2			1SS133	DIODE		
D3			HZS5.1N(B2)	ZENER DIODE		
D3			RD5.1ES(B2)	ZENER DIODE		
D4 ,5			HSS104	DIODE		
D4 ,5			1SS133	DIODE		
D111,112			HSS104	DIODE		
D111,112			1SS133	DIODE		
D201,202			HSS104	DIODE		
D201,202			1SS133	DIODE		
D203			HZS3.9N(B2)	ZENER DIODE		
D203			RD3.9ES(B2)	ZENER DIODE		
D204-210			HSS104	DIODE		
D204-210			1SS133	DIODE		
D213			HSS104	DIODE	X	
D213			1SS133	DIODE	X	
D214			HSS104	DIODE	YX	
D214			1SS133	DIODE	YX	
D216-218			HSS104	DIODE		
D216-218			1SS133	DIODE		
D220			HZS5.1N(B2)	ZENER DIODE		
D220			RD5.1ES(B2)	ZENER DIODE		
D221			HSS104	DIODE		
D221			1SS133	DIODE		
D222			HSS104	DIODE	Y	
D222			1SS133	DIODE	Y	
D223			HSS104	DIODE		
D223			1SS133	DIODE		
D301			HZS3.3N(B2)	ZENER DIODE		
D301			RD3.3ES(B2)	ZENER DIODE		
D302			HZS2.7N(B2)	ZENER DIODE		
D302			RD2.7ES(B2)	ZENER DIODE		
D303			HZS13N(B2)	ZENER DIODE		
D303			RD13ES(B2)	ZENER DIODE		
D304,305			HSS104A	DIODE		

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D304,305			1SS131	DIODE		
D309,310			SS6888	DIODE		
D309,310			1SR139-100	DIODE		
D313-317			HSS104	DIODE		
D313-317			1SS133	DIODE		
FL201	2A		CF1022C	FLUORESCENT INDICATOR TUBE		
IC1			LA1266	IC(AM/FM IF)		
IC2			AN7470	IC(FM MPX)		
IC3			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
IC201		*	CXP5016-534S	IC(4BIT MICROPROCESSOR)		
IC202			BA10393	IC(DUAL COMPALATOR)		
Q1			2SC1923(R,O)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q3			2SC3311A(Q,R)	TRANSISTOR		
Q102			2SA1309A(Q,R)	TRANSISTOR		
Q102			2SA933S(Q,R)	TRANSISTOR		
Q104			2SA1309A(Q,R)	TRANSISTOR		
Q104			2SA933S(Q,R)	TRANSISTOR		
Q202			2SA1309A(Q,R)	TRANSISTOR	Y	
Q202			2SA933S(Q,R)	TRANSISTOR	Y	
Q203			2SC1740S(Q,R)	TRANSISTOR		
Q203			2SC3311A(Q,R)	TRANSISTOR		
Q301,302			2SD1302(S,T)	TRANSISTOR		
Q303			2SA1309A(Q,R)	TRANSISTOR		
Q303			2SA933S(Q,R)	TRANSISTOR		
Q304			2SC2003(L,K)	TRANSISTOR		
Q305			2SC1740S(Q,R)	TRANSISTOR		
Q305			2SC3311A(Q,R)	TRANSISTOR		
Q306			2SD1266(Q,P)	TRANSISTOR		
Q307			2SA1309A(Q,R)	TRANSISTOR		
Q307			2SA933S(Q,R)	TRANSISTOR		
Q308			2SC1740S(Q,R)	TRANSISTOR		
Q308			2SC3311A(Q,R)	TRANSISTOR		
DT2	2B		W02-1042-15	FM FRONT-END ASSY		
KT-592S TUNER UNIT (X05-4060-20)						
C1 -4			CK45FF1H103Z	CERAMIC 0.010UF Z		
C5			CE04KW1C470M	ELECTRO 47UF 16WV		
C6 ,7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C9			CC45FSL1H101J	CERAMIC 100PF J		
C10			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C11			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C12			CK45FF1H223Z	CERAMIC 0.022UF Z		
C13			CQ92FM1H223J	MYLAR 0.022UF J		
C14 ,15			CK45FF1H223Z	CERAMIC 0.022UF Z		
C16			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C17			CK45FF1H223Z	CERAMIC 0.022UF Z		
C18			CE04KW1C101M	ELECTRO 100UF 16WV		
C20			CE04KW1V100M	ELECTRO 10UF 35WV		
C21			CE04KW1C101M	ELECTRO 100UF 16WV		
C27 ,28			CQ92FM1H133J	MYLAR 0.013UF J		
C29 ,30			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C41			CC45FCH1H220J	CERAMIC 22PF J		

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C42			CC45FCH1H270J	CERAMIC 27PF J		
C43 -45			CK45FB1H471K	CERAMIC 470PF K		
C46			CK45FF1H103Z	CERAMIC 0.010UF Z		
C47			C91-0769-05	CERAMIC 0.01UF K		
C49			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C50			CE04KW1C470M	ELECTRO 47UF 16WV		
C51			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C52			CE04KW1A470M	ELECTRO 47UF 10WV		
C56			CC45FSL1H220J	CERAMIC 22PF J		
C62 -64			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C65			CE04KW1HR22M	ELECTRO 0.22UF 50WV		
C66			CE04KW1V100M	ELECTRO 10UF 35WV		
C67 ,68			CC45FSL1H101J	CERAMIC 100PF J		
C69			CE04KW1V100M	ELECTRO 10UF 35WV		
C70			CK45FB1H561K	CERAMIC 560PF K		
C71			CQ92FM1H103J	MYLAR 0.010UF J		
C81			CQ92FM1H223J	MYLAR 0.022UF J		
C82			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C83			CK45FB1H471K	CERAMIC 470PF K		
C85			CC45FSL1H101J	CERAMIC 100PF J		
C86			CK45FF1H223Z	CERAMIC 0.022UF Z		
C106			CE04KW1C470M	ELECTRO 47UF 16WV		
C108			CK45FF1H223Z	CERAMIC 0.022UF Z		
C110			C91-0085-05	CERAMIC 0.022UF N		
C112,113			CK45FF1H223Z	CERAMIC 0.022UF Z		
C114			C91-0085-05	CERAMIC 0.022UF N		
C135,136			CQ92FM1H682J	MYLAR 6800PF J		
C152,153			CK45FF1H223Z	CERAMIC 0.022UF Z		
C154,155			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C156-159			CK45FF1H223Z	CERAMIC 0.022UF Z		
C160,161			C91-0085-05	CERAMIC 0.022UF N		
C162,163			CK45FF1H223Z	CERAMIC 0.022UF Z		
C164			CC93FCH1H272J	CERAMIC 2700PF J		
C166			CC45FCH1H120J	CERAMIC 12PF J		
C167			C91-1431-05	CERAMIC 6800PF J		
C168			CK45FF1H223Z	CERAMIC 0.022UF Z		
C169			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C171			C91-0745-05	CERAMIC 100PF K		
C203			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C204			CE04KW0J471M	ELECTRO 470UF 6.3WV		
C205			CK45FF1H223Z	CERAMIC 0.022UF Z		
C207			CE04KW0J222M	ELECTRO 2200UF 6.3WV		
C208			C90-1332-05	NP-ELEC 10UF 50WV		
C213			CF92FV1H104J	MF 0.10UF J		
C235			CK45FF1H223Z	CERAMIC 0.022UF Z		
C302			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C303			CE04DW1C471M	ELECTRO 470UF 16WV		
C304			CE04KW1E221M	ELECTRO 220UF 25WV		
C305			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C306			CE04KW0J471M	ELECTRO 470UF 6.3WV		
C307,308			CK45FF1H103Z	CERAMIC 0.010UF Z		
C309			CE04KW1H331M	ELECTRO 330UF 50WV		
C310			CE04KW1E101M	ELECTRO 100UF 25WV		
C312			CE04KW1E102M	ELECTRO 1000UF 25WV		
C317			CK45FF1H103Z	CERAMIC 0.010UF Z		

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C318,319			CC45FSL1H221J	CERAMIC 220PF J		
C320			CE04KW1V100M	ELECTRO 10UF 35WV		
C321			CE04KW1E101M	ELECTRO 100UF 25WV		
C324			CK45FF1H103Z	CERAMIC 0.010UF Z		
TC101			C05-0216-05	CERAMIC TRIMMER CAPACITOR(10PF		
J1	2B		E20-0476-05	LOCK TERMINAL BOARD(ANTENNA)		
J2	2B		E13-0235-05	PHONO JACK(2P)(OUTPUT)		
J3	2B		E11-0188-05	MINIATURE PHONE JACK(S.CONTROL		
⚠J302	2A		E03-0108-05	AC OUTLET		
CF1 ,2			L72-0531-05	CERAMIC FILTER		
L1			L30-0467-05	AM IFT		
L2		*	L30-0494-05	FM IFT(DISCRIMINATOR)		
L3			L40-1021-14	SMALL FIXED INDUCTOR(1.0mH,K)		
L8			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L105			L39-0192-05	COMBINATION COIL		
L106			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L107			L39-0199-05	COMBINATION COIL		
L108			L31-0608-05	SW-RF COIL		
L109			L32-0528-05	SW OSCILLATING COIL		
L110			L40-1021-14	SMALL FIXED INDUCTOR(1.0mH,K)		
L201			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
⚠T301	2B		L07-0248-05	POWER TRANSFORMER		
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)		
X2			L78-0208-05	RESONATOR (456kHz)		
X201			L78-0209-05	RESONATOR (4.194MHz)		
X201			L78-0218-05	RESONATOR (4.194MHz)		
CP201			R90-0832-05	MULTI-COMP 4.7KX3 J 1/6W		
CP202			R90-0487-05	MULTI-COMP 47KX4 J 1/6W		
CP203			R90-0804-05	MULTI-COMP 47KX8 J 1/4W		
CP204			R90-0850-05	MULTI-COMP 100KX3 J 1/6W		
CP205			R90-0809-05	MULTI-COMP 10KX4 J 1/6W		
R53			RS14DB3D221J	FL-PROOF RS 220 J 2W		
R318			RS14DB3D121J	FL-PROOF RS 120 J 2W		
R319			RS14DB3A820J	FL-PROOF RS 82 J 1W		
R323			RS14DB3A221J	FL-PROOF RS 220 J 1W		
R324			RS14DB3A222J	FL-PROOF RS 2.2K J 1W		
R329			RS14DB3D102J	FL-PROOF RS 1.0K J 2W		
VR1			R12-3688-05	TRIMMING POT(47K)(FM T-LEVEL)		
VR3			R12-3686-05	TRIMMING POT(22K)(AM T-LEVEL)		
VR5			R12-6663-05	TRIMMING POT(330K)(SEPARATION)		
S101	2B		S31-2094-05	SLIDE SWITCH(DE-EM. CH.SPACE)		
S201-217	2B		S40-1064-05	PUSH SWITCH(1-0,+10,BAND etc.)		
S219	2A		S40-1064-05	PUSH SWITCH(POWER)		
⚠S301	2B		S31-2131-05	SLIDE SWITCH (POWER TYPE)		
D3			HZS5.1N(B2)	ZENER DIODE		
D3			RD5.1ES(B2)	ZENER DIODE		
D11			HSS104	DIODE		
D11			1SS133	DIODE		
D109-112			HSS104	DIODE		
D109-112			1SS133	DIODE		
D114			HSS104	DIODE		
D114			1SS133	DIODE		
D116			HSS104	DIODE		
D116			1SS133	DIODE		

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D123-130			HSS104	DIODE		
D123-130			1SS133	DIODE		
D131			KV1260	VARIABLE CAPACITANCE DIODE		
D132-135			HSS104	DIODE		
D132-135			1SS133	DIODE		
D201,202			HSS104	DIODE		
D201,202			1SS133	DIODE		
D203			HZS3.9N(B2)	ZENER DIODE		
D203			RD3.9ES(B2)	ZENER DIODE		
D204-210			HSS104	DIODE		
D204-210			1SS133	DIODE		
D212			HSS104	DIODE		
D212			1SS133	DIODE		
D214			HSS104	DIODE		
D214			1SS133	DIODE		
D216-218			HSS104	DIODE		
D216-218			1SS133	DIODE		
D220			HZS5.1N(B2)	ZENER DIODE		
D220			RD5.1ES(B2)	ZENER DIODE		
D221-223			HSS104	DIODE		
D221-223			1SS133	DIODE		
D301			HZS3.3N(B2)	ZENER DIODE		
D301			RD3.3ES(B2)	ZENER DIODE		
D302			HZS2.7N(B2)	ZENER DIODE		
D302			RD2.7ES(B2)	ZENER DIODE		
D303			HZS13N(B2)	ZENER DIODE		
D303			RD13ES(B2)	ZENER DIODE		
D304,305			HSS104A	DIODE		
D304,305			1SS131	DIODE		
D309,310			S5688B	DIODE		
D309,310			1SR139-100	DIODE		
D313-317			HSS104	DIODE		
D313-317			1SS133	DIODE		
FL201	2A		CF1022C	FLUORESCENT INDICATOR TUBE		
IC1			LA1266	IC(AM/FM IF)		
IC2			LA3401	IC(FM MPX)		
IC3			LC7218	IC(PLL SYNTHESIZER)		
IC201		*	CXP5016-534S	IC(4BIT MICROPROCESSOR)		
IC202			BA10393	IC(DUAL COMPALATOR)		
Q1			2SC1923(R,O)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q3			2SC3311A(Q,R)	TRANSISTOR		
Q7			2SC1740S(Q,R)	TRANSISTOR		
Q7			2SC3311A(Q,R)	TRANSISTOR		
Q8			2SC1845(F,E)	TRANSISTOR		
Q9			2SC1740S(Q,R)	TRANSISTOR		
Q9			2SC3311A(Q,R)	TRANSISTOR		
Q101			2SC1740S(Q,R)	TRANSISTOR		
Q101			2SC3311A(Q,R)	TRANSISTOR		
Q102-104			2SA1309A(Q,R)	TRANSISTOR		
Q102-104			2SA933S(Q,R)	TRANSISTOR		
Q105,106			2SC1740S(Q,R)	TRANSISTOR		
Q105,106			2SC3311A(Q,R)	TRANSISTOR		
Q110			2SA1309A(Q,R)	TRANSISTOR		

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9 , × New Parts

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Q110			2SA933S(Q,R)	TRANSISTOR		
Q202			2SA1309A(Q,R)	TRANSISTOR		
Q202			2SA933S(Q,R)	TRANSISTOR		
Q203			2SC1740S(Q,R)	TRANSISTOR		
Q203			2SC3311A(Q,R)	TRANSISTOR		
Q301,302			2SD1302(S,T)	TRANSISTOR		
Q303			2SA1309A(Q,R)	TRANSISTOR		
Q303			2SA933S(Q,R)	TRANSISTOR		
Q304			2SC2003(L,K)	TRANSISTOR		
Q305			2SC1740S(Q,R)	TRANSISTOR		
Q305			2SC3311A(Q,R)	TRANSISTOR		
Q306			2SD1266(Q,P)	TRANSISTOR		
Q307			2SA1309A(Q,R)	TRANSISTOR		
Q307			2SA933S(Q,R)	TRANSISTOR		
Q308			2SC1740S(Q,R)	TRANSISTOR		
Q308			2SC3311A(Q,R)	TRANSISTOR		
DT2	2B		W02-1042-15	FM FRONT-END ASSY		

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KT-592/592S

SPECIFICATIONS

KT-592/592S

FM tuner section
Tuning frequency range ..... 87.5 MHz-108 MHz
Usable sensitivity (MONO) ..... 0.95 μV/10.8 dBf
Total harmonic distortion (at 1 kHz 65 dBf input)
MONO 0.4%
STEREO 0.5%
Signal to Noise ratio (at 1 kHz, 65 dBf input)
MONO ..... 78 dB
STEREO ..... 73 dB
Stereo separation
1 kHz ..... 40 dB
Alternate channel selectivity (±400 kHz) ..... 50 dB
Frequency response
(30 Hz-15 kHz) ..... +0.5 dB, −2 dB
Output level/Impedance
(at 1 kHz, 75 kHz dev.) ..... 0.6 V/3.3 kΩ

<KT-592>

AM tuner section
Tuning frequency range
9 kHz step ..... 531 kHz-1,602 kHz
10 kHz step ..... 530 kHz-1,610 kHz
10 kHz step (U.S. and Canada) ..... 530 kHz-1,700 kHz
Usable sensitivity ..... 11 μV/(280 μV/m)
Signal to noise ratio
(at 30% mod, 1 mV input) ..... 50 dB
Total harmonic distortion 0.5%
Output level/Impedance
(at 30% mod. 1 mV input) ..... 0.18 V/3.3 kΩ

<KT-592S> AM tuner section

Tuning frequency range
9 kHz step ..... 531 kHz-1,602 kHz
10 kHz step ..... 530 kHz-1,610 kHz
Usable sensitivity ..... 17 μV/(560 μV/m)
SW Tuning frequency range
SW1 ..... 3.2 MHz-7.3 MHz
SW2 ..... 9.5 MHz-21.85 MHz

General
Power consumption ..... 10 W
AC outlet
For U.S.A. and Canada
UNSWITCHED ..... 1 (800W 6.6A max.)
For U.S military
UNSWITCHED ..... 1 (700W max.)
For other countries
UNSWITCHED ..... 1 (500W max.)
Dimensions ..... W: 440 mm (17-5/16″)
H : 75 mm (2-15/16″)
D : 264 mm (10-1/2″)
Weight (Net) ..... 2.6 kg (5.5 lb)

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

KENWOOD poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

KENWOOD strebt ständige, Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

Note
Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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